

Chi Mei Wonderloy® PC-550K

Features: High impact、High heat resistance

Physical property		Standard	Value	Unit
Density	23°C	ISO 1183	1.18	g/cm ³
Melt Index	260°C 2.16kg	ISO 1133	22	cm ³ /10min
Hardness		Standard	Value	Unit
Rockwell Hardness	12.7mm	ASTM D785	118	
Mechanical behavior		Standard	Value	Unit
Tensile Strength	50mm/min	ISO 527	60	MPa
Elongation	50mm/min	ISO 527	120	%
Flexural Strength	2.0mm/min	ISO 178	90	MPa
Flexural Modulus	2.0mm/min	ISO 178	2.5	GPa
Izod Notch Impact	23°C 4.0mm	ISO 180	45	kJ/m ²
Charpy Notch Impact	23°C 4.0mm	ISO 179	46	kJ/m ²
Thermal		Standard	Value	Unit
HDT	Unannealed 1.8MPa	ISO 75	82	°C
HDT	Unannealed 0.45MPa	ISO 75	91	°C
Vicat Softening Temperature	50°C/hr 10N	ISO 306	107	°C
Vicat Softening Temperature	50°C/hr 50N	ISO 306	102	°C
Flammability		Standard	Value	Unit
Flame Rating	All Color 1.5mm	UL94	V-0	
Flame Rating	All Color 2.0~2.2mm	UL94	V-0 5VB	